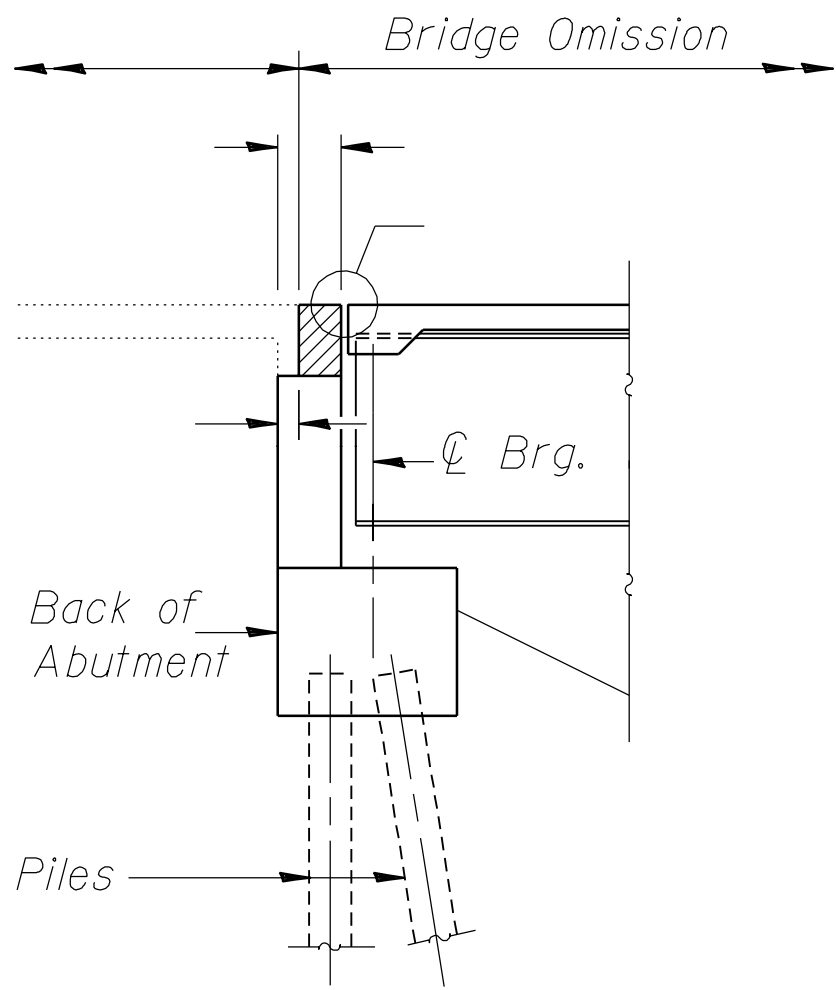


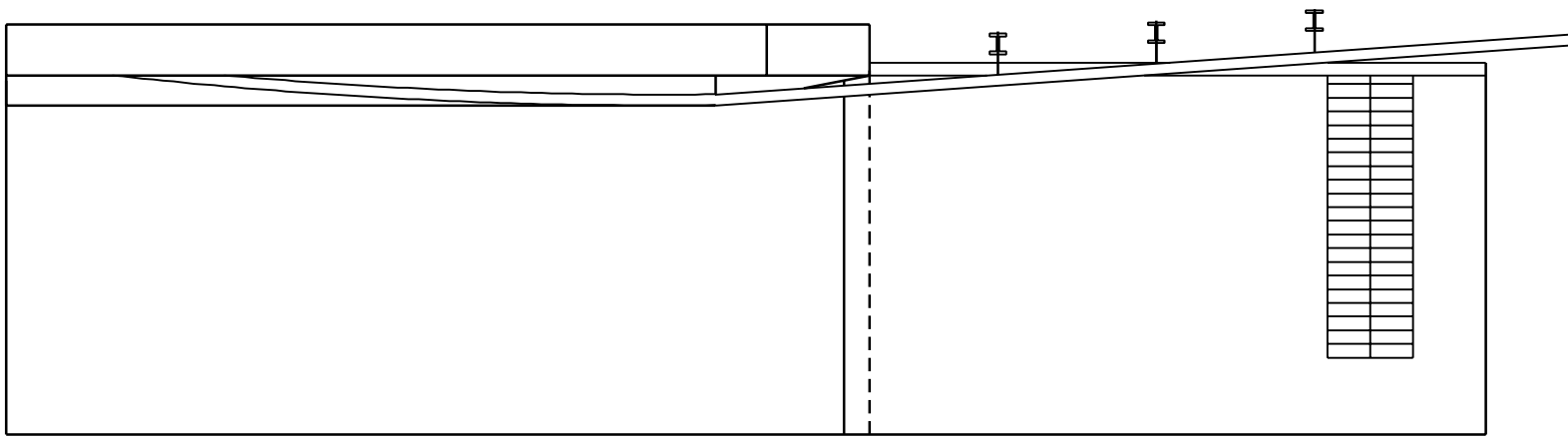
DESCRIPTION	BASE SHEET	REQUIRED CELLS			DATE
Section thru abutment		ABUT			
Shoulder approach pavement with drain		APRW			
Approach pavement with drain		APRW1			
Steel rail section		GRRAIL			
Solid pier spread footing		PS 1			
Solid battered pier spread footing		PS 2			
Solid pier with cap and spread footing		PS 3			
Single hammerhead pier		PS 4			
Double hammerhead pier		PS 5			
Two column hammerhead pier		PS 6			
Three column hammerhead pier		PS 7			
Four column hammerhead pier		PS 8			
Two column trapezoidal pier		PS 9			
Solid pier with hammerhead cap		PS 10			
Two column trapezoidal pier with spread footing		PS 11			
Three column trapezoidal pier with spread footing		PS 12			
Four column trapezoidal pier with spread footing		PS 13			
Five column trapezoidal pier with spread footing		PS 14			
Three bay RR pier with round columns		PS 15			
2 bay RR pier with round columns, modified		PS 16			
4 bay RR pier with round columns, modified		PS 17			
5 bay RR pier with round columns		PS 18			
Encased pile bent pier		PS 19			
Pile bent pier		PS 20			
Encased pile bent pier		PS 21			
Parapet and walk removal details		RETRO			
Parapet retrofit details		RETRO1			
Riprap anchor detail		RRAP			
Design stresses		STR			
Riprap detail		TSL001			
Section thru integral abutment with PPC beams		TSL002			
Section thru integral abutment with steel beams		TSL003			
Traffic barrier terminal, type 6		TY6			

Name: ABUT
SEC THRU ABUT



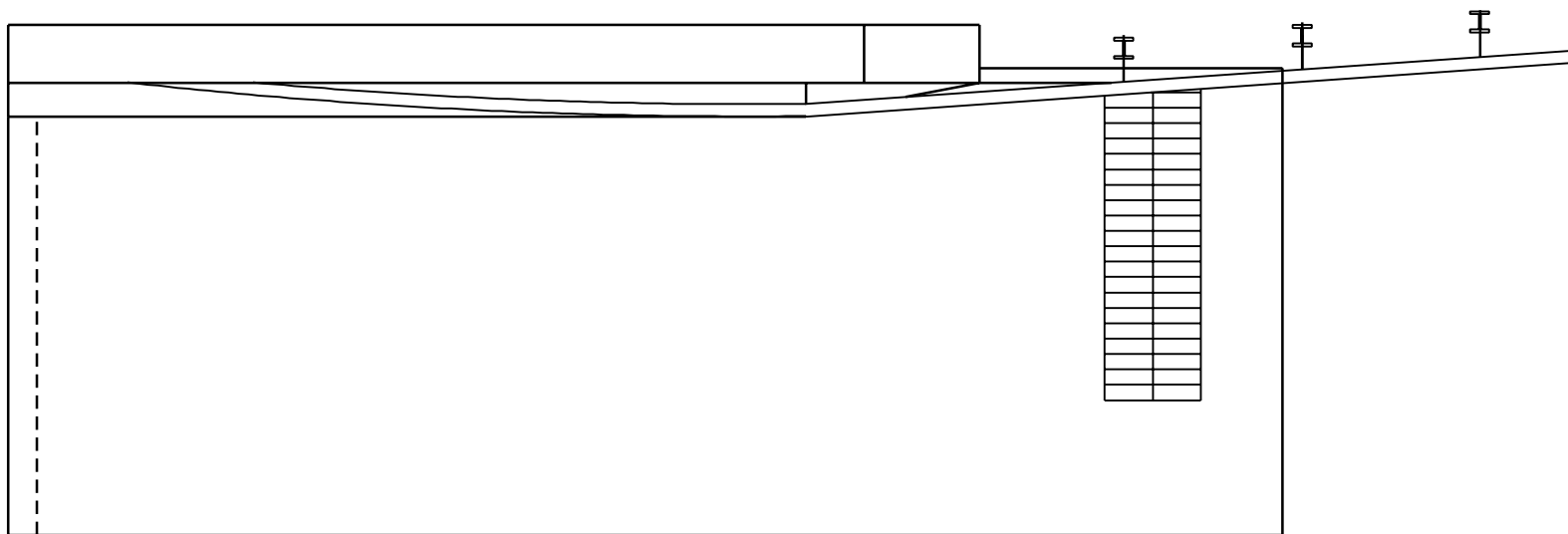
Name: APRW

SHLDR APR PAVT W DRAIN

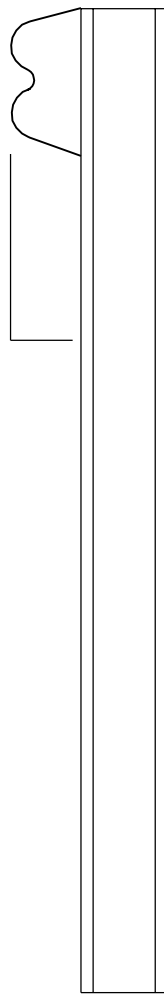
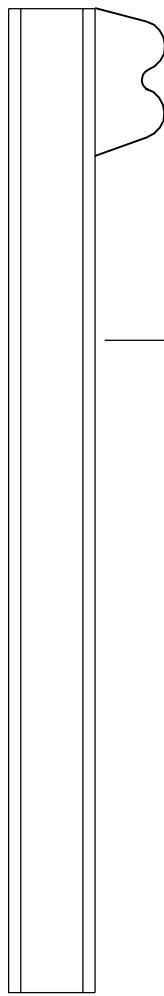


Name: APRWI

APR PAVT W DRAIN

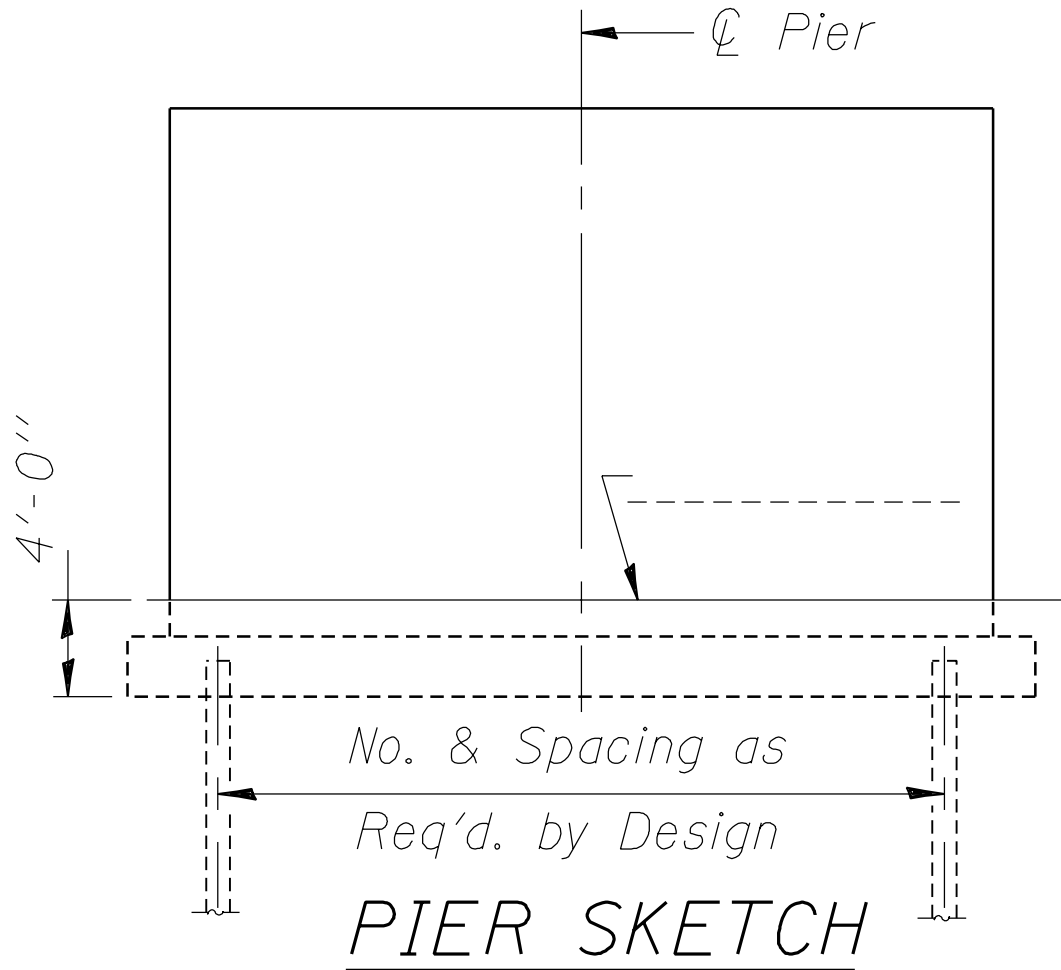


Name: GRRAIL
STEEL RAIL SEC



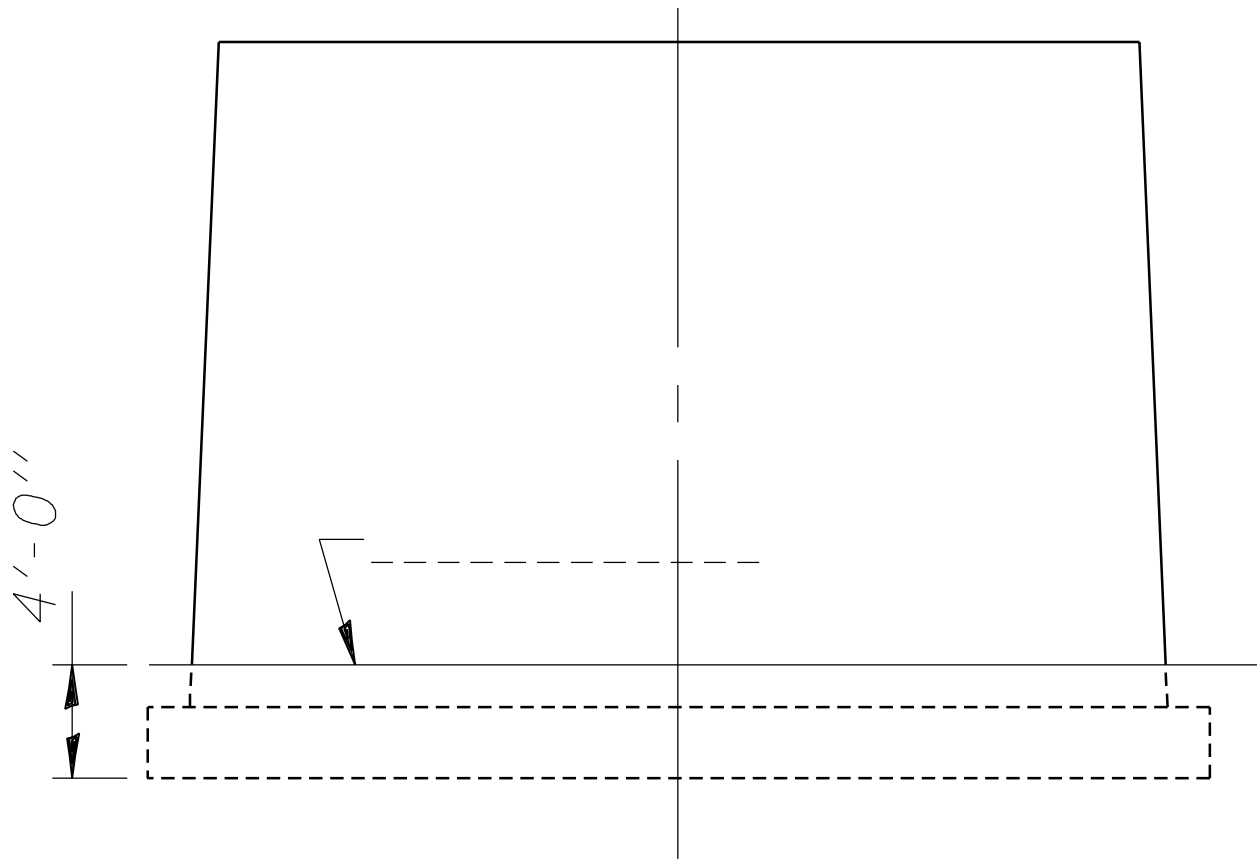
Name: PSI

SOLID PIER SPRD FTG



Name: PS2

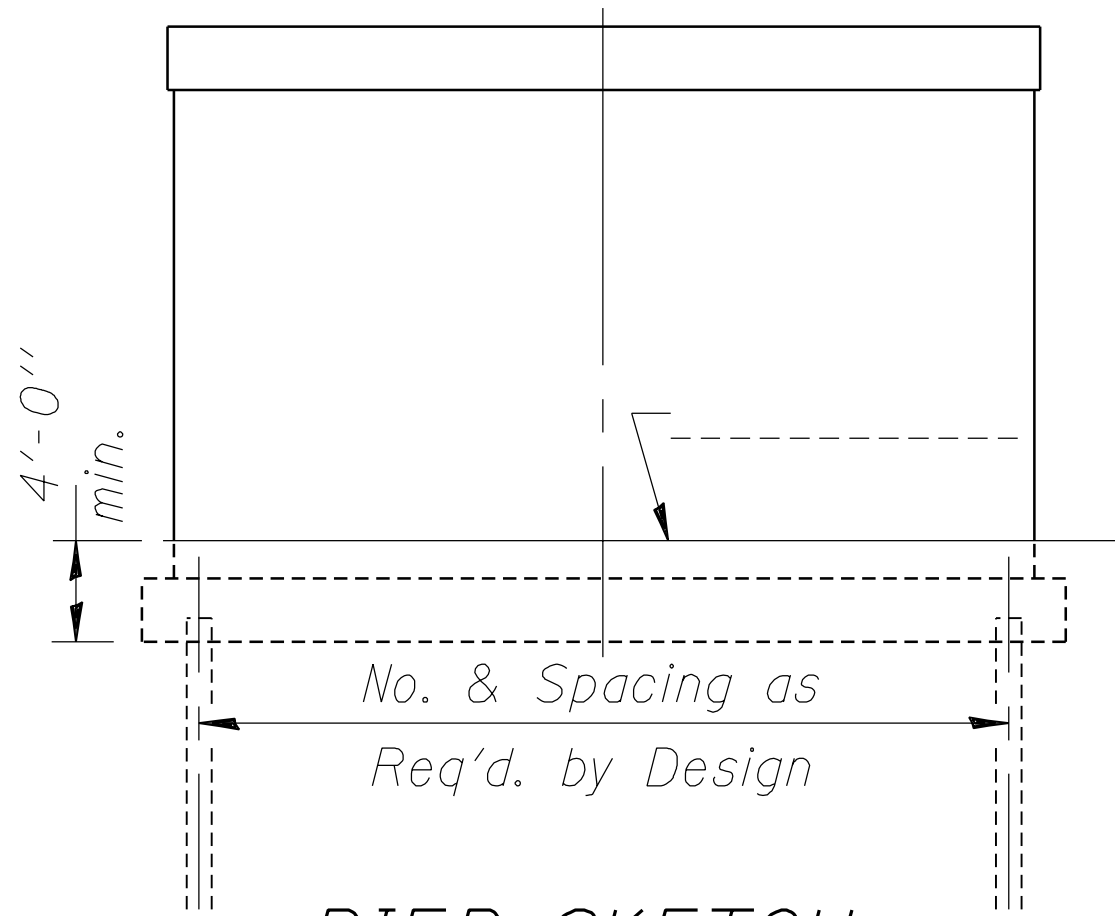
SOLID BATT PIER SPRD FTG



PIER SKETCH

Name: PS3

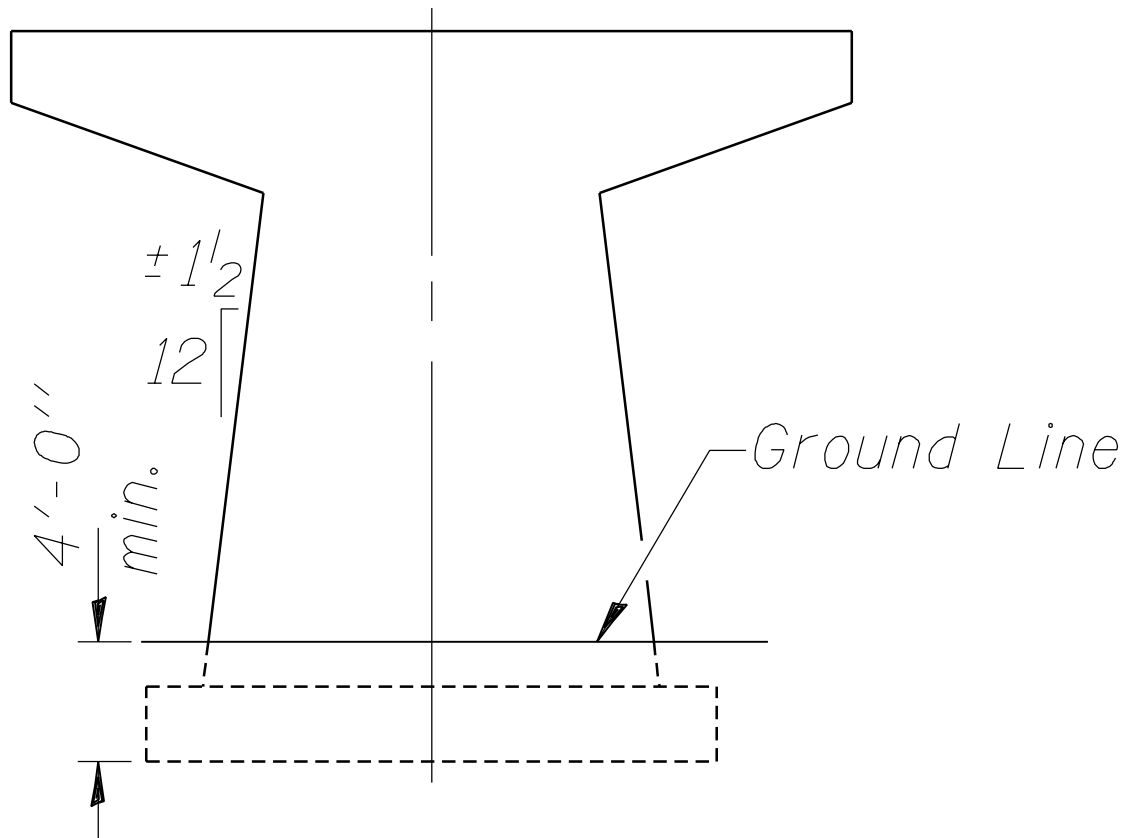
SOLID PIER W CAP SPRD FTG



PIER SKETCH

Name: PS4

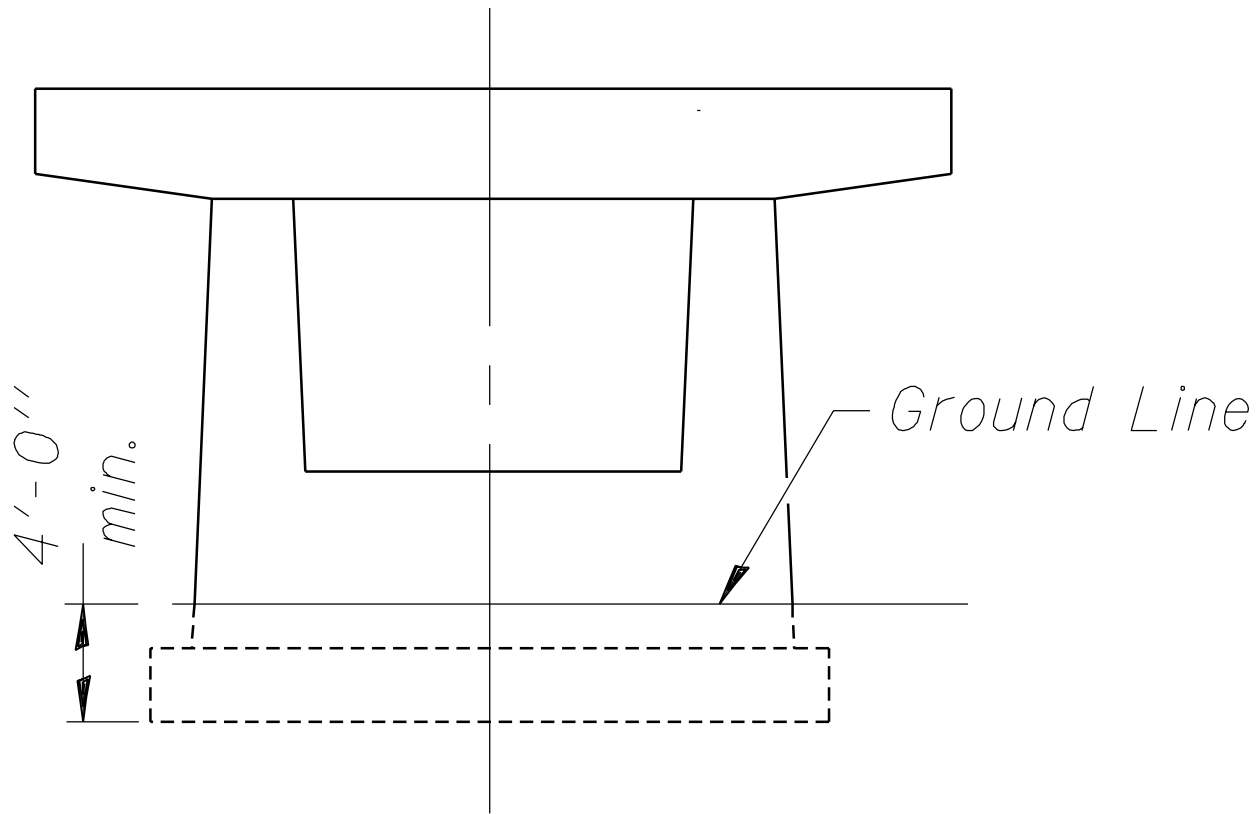
SINGLE HHEAD PIER



PIER SKETCH

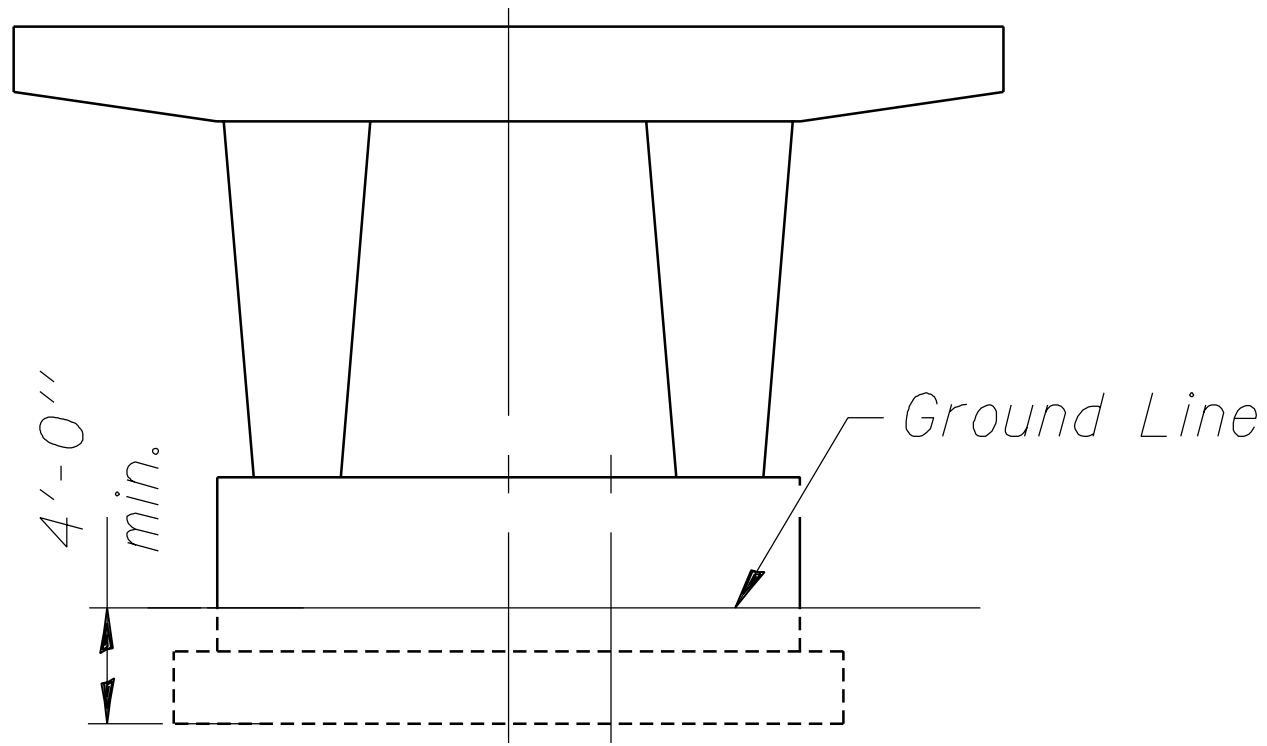
Name: PS5

DOUBLE HHEAD PIER



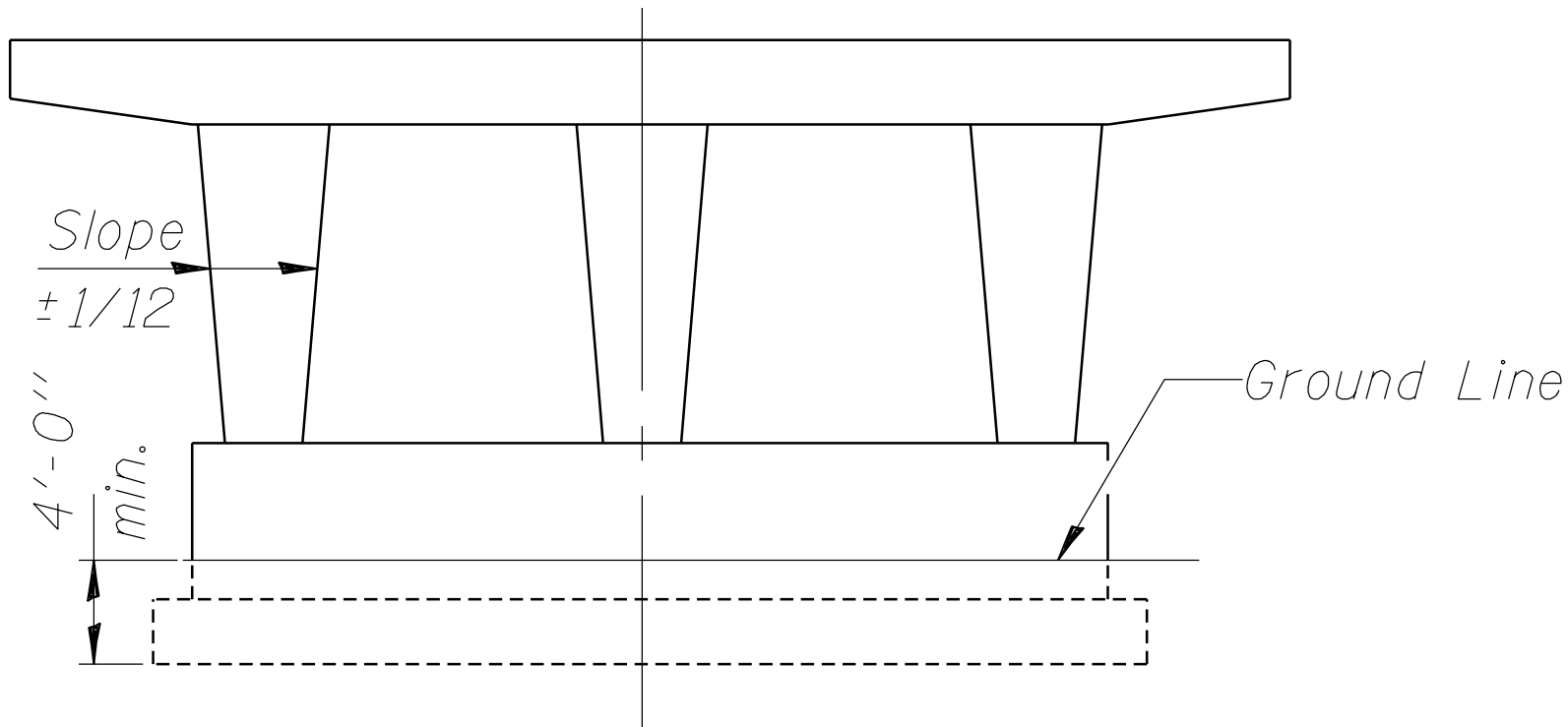
PIER SKETCH

Name: PS6
2 COL PIER



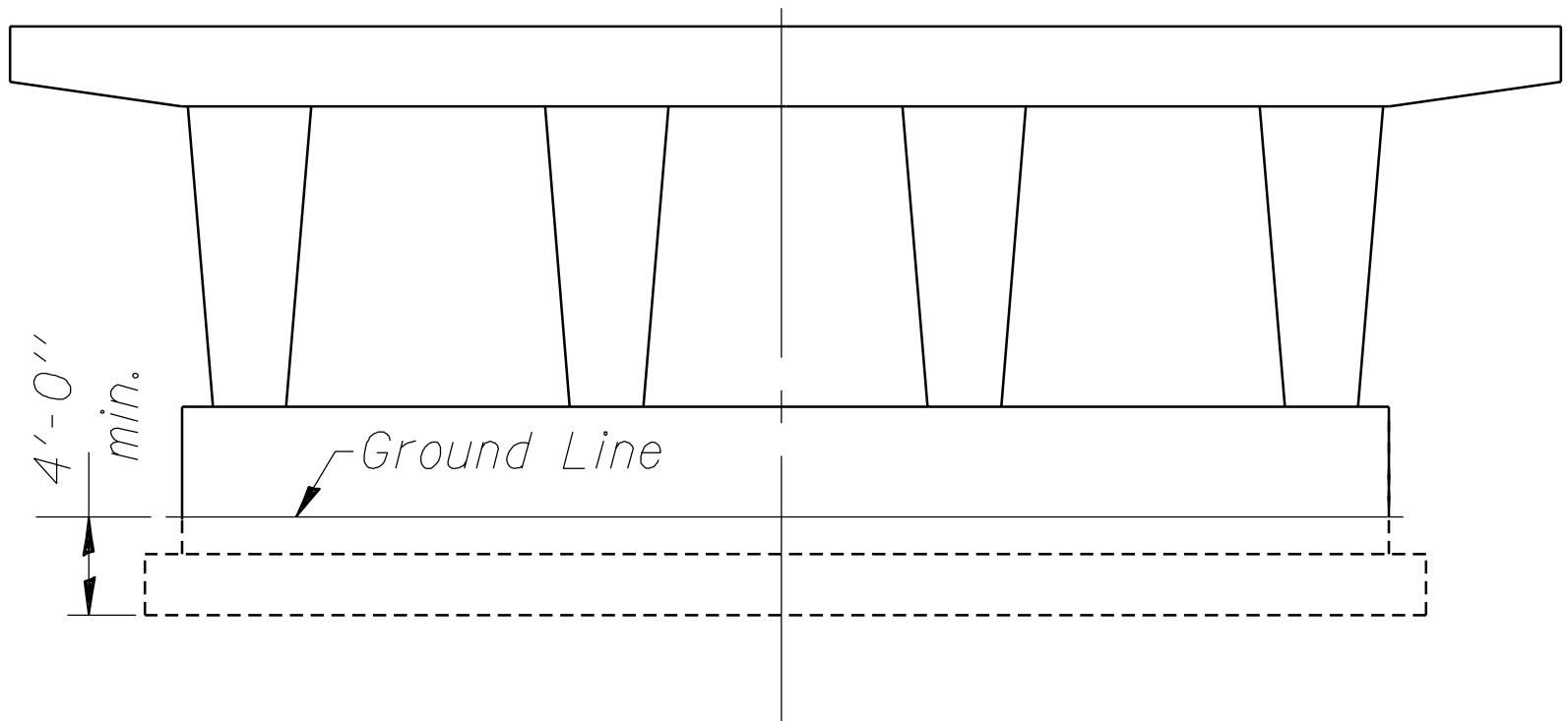
PIER SKETCH

Name: PS7
3 COL PIER



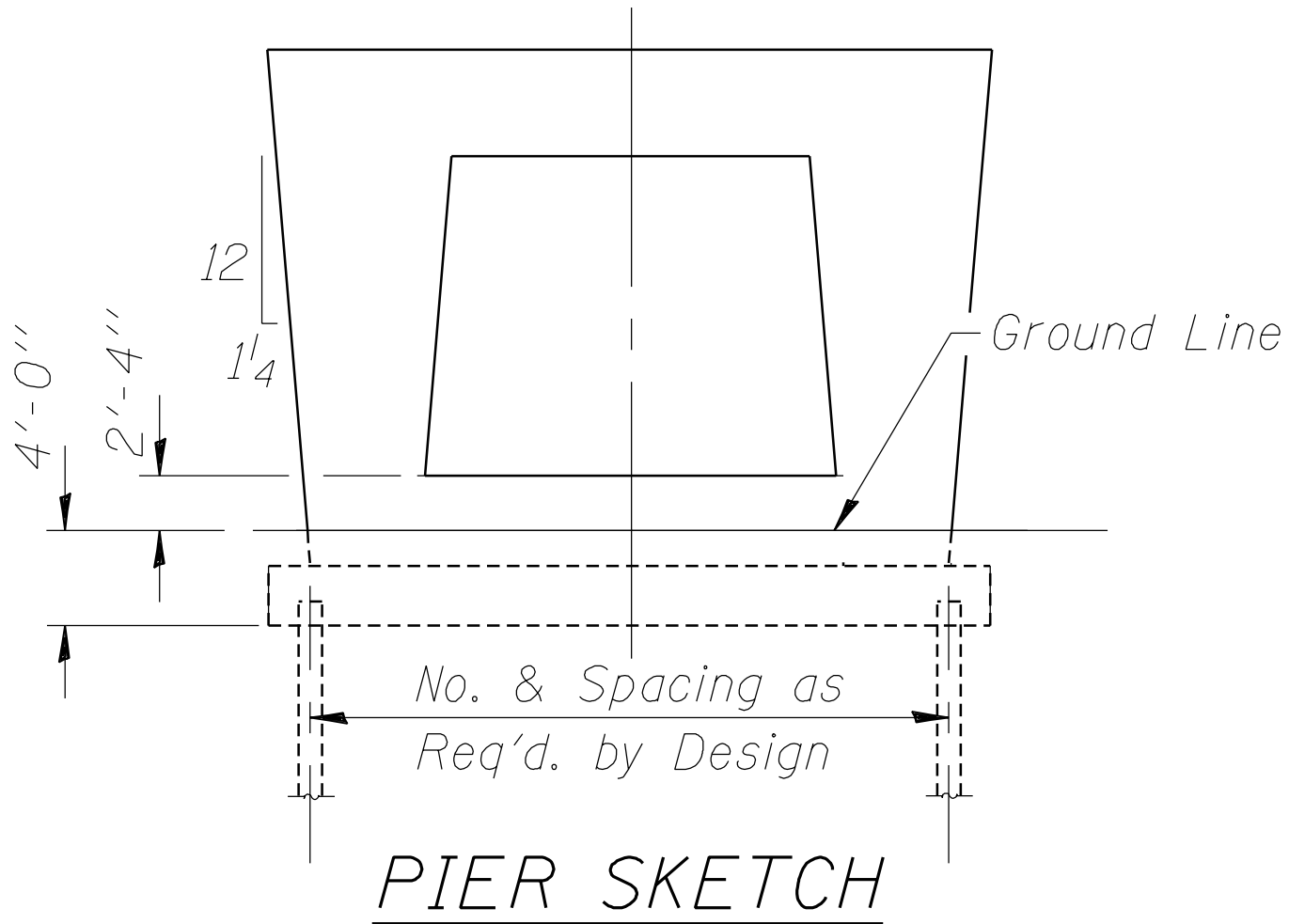
PIER SKETCH

Name: PS8
4 COL PIER



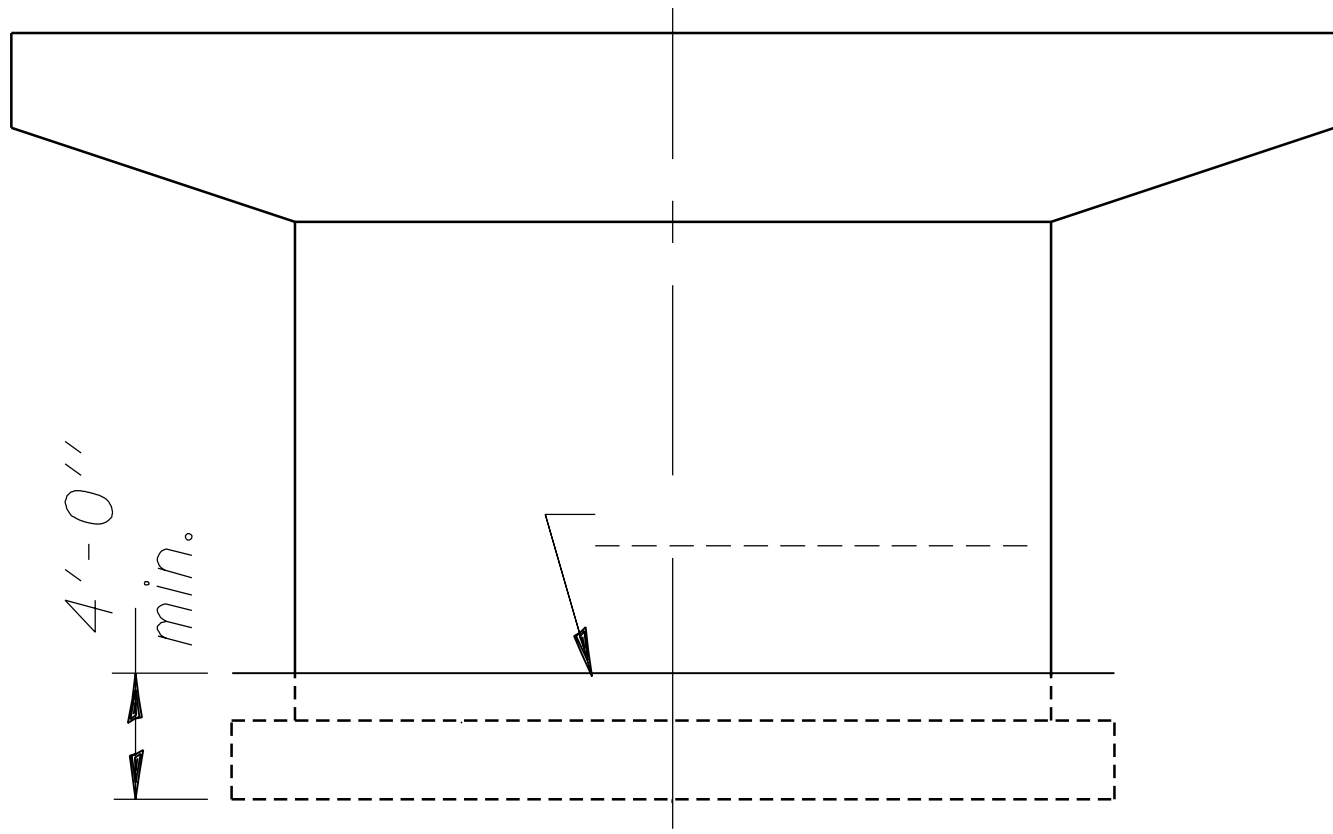
PIER SKETCH

Name: PS9
2 COL TRAP PIER



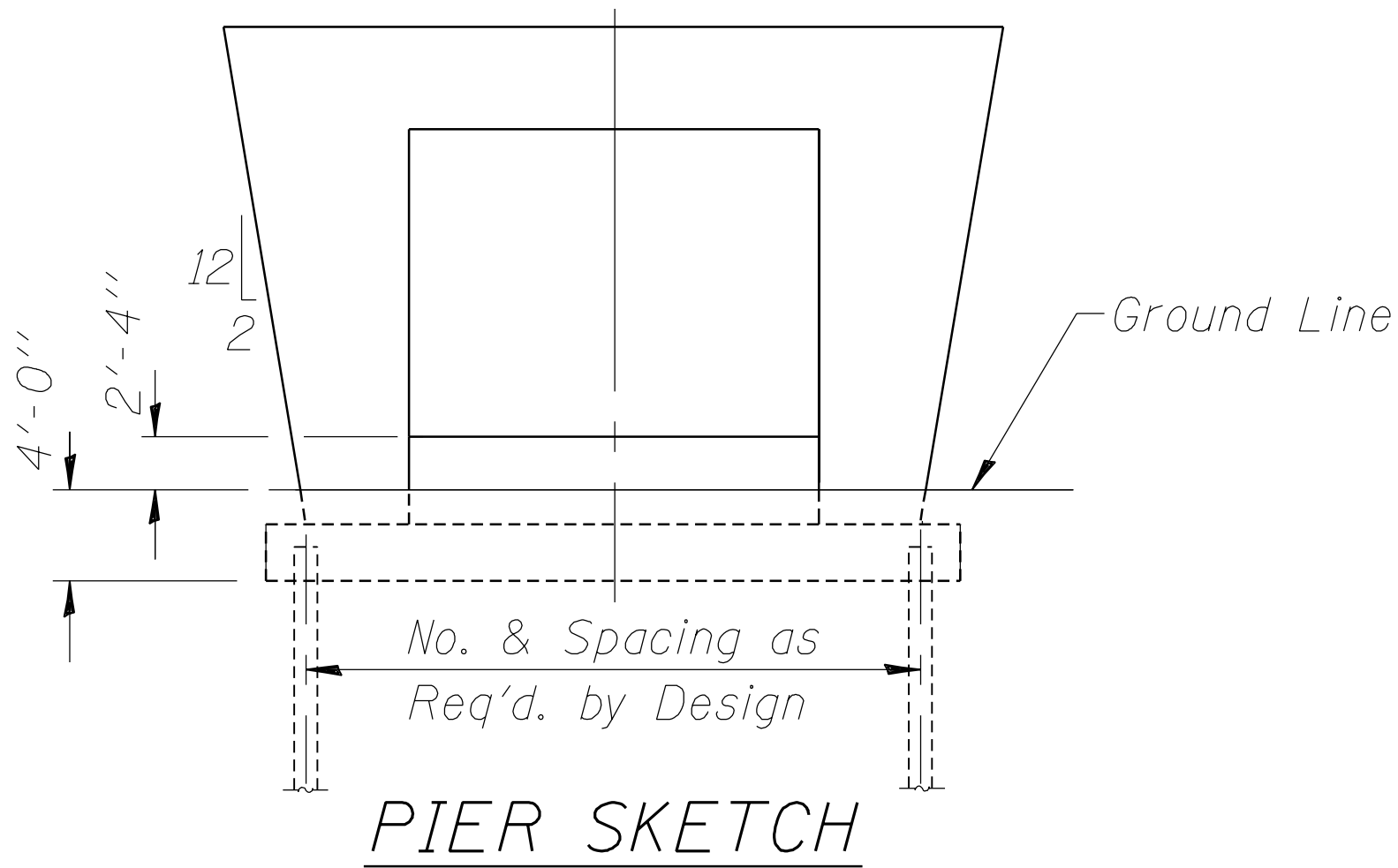
Name: PS10

SOLID PIER HHEAD CAP

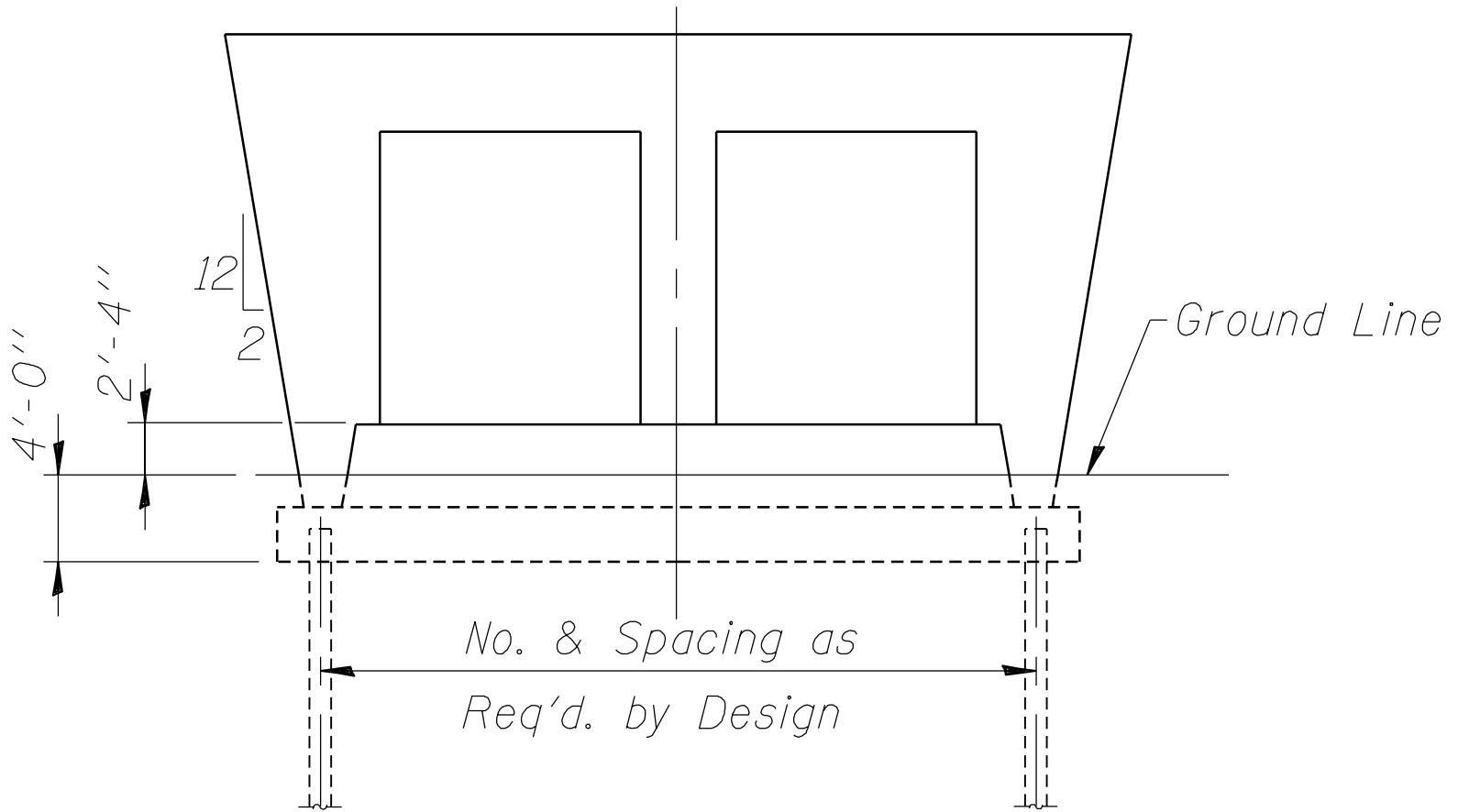


PIER SKETCH

Name: PSII
2COL TRAP PIER SPRD FTG



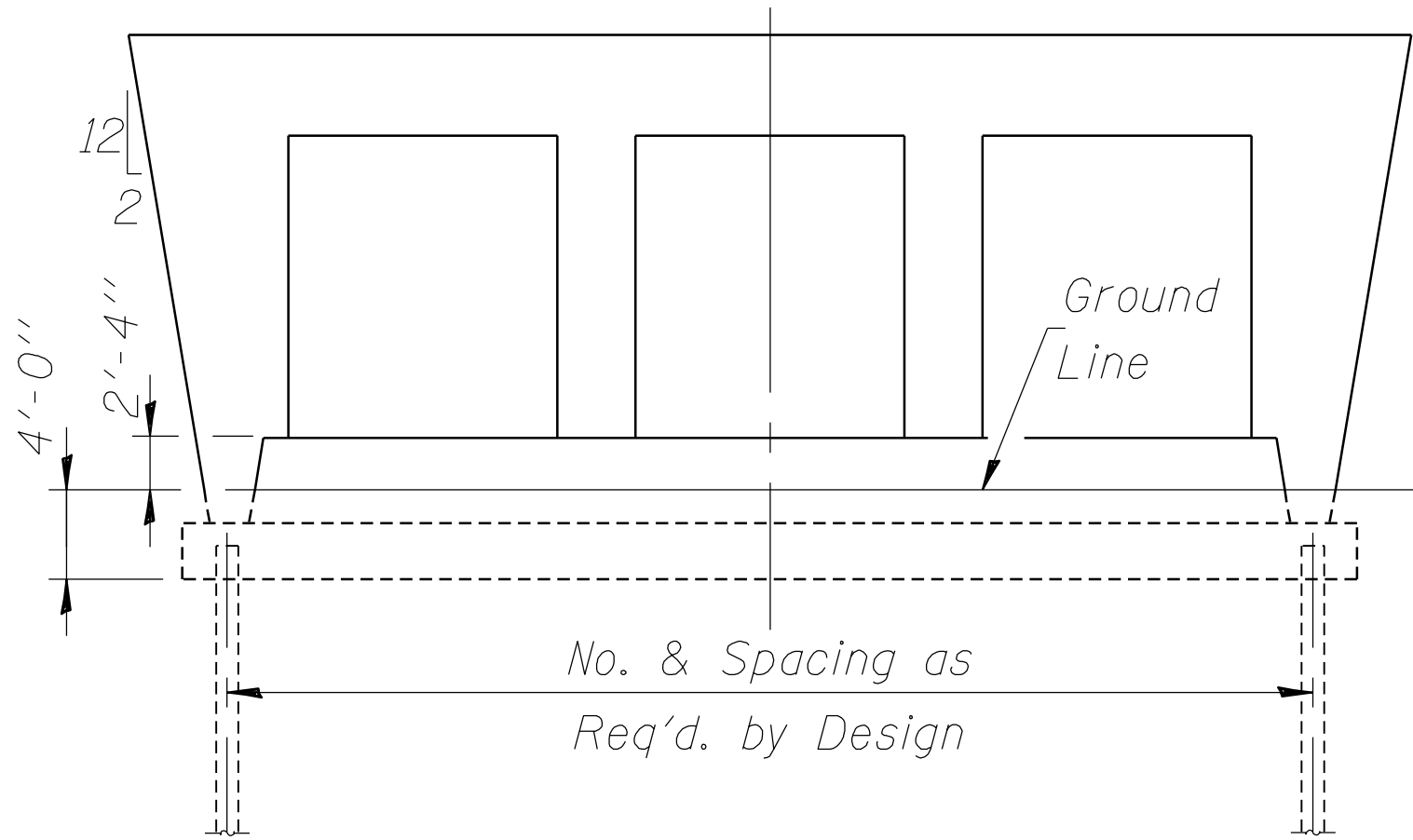
Name: PS12
3COL TRAP PIER SPRD FTG



PIER SKETCH

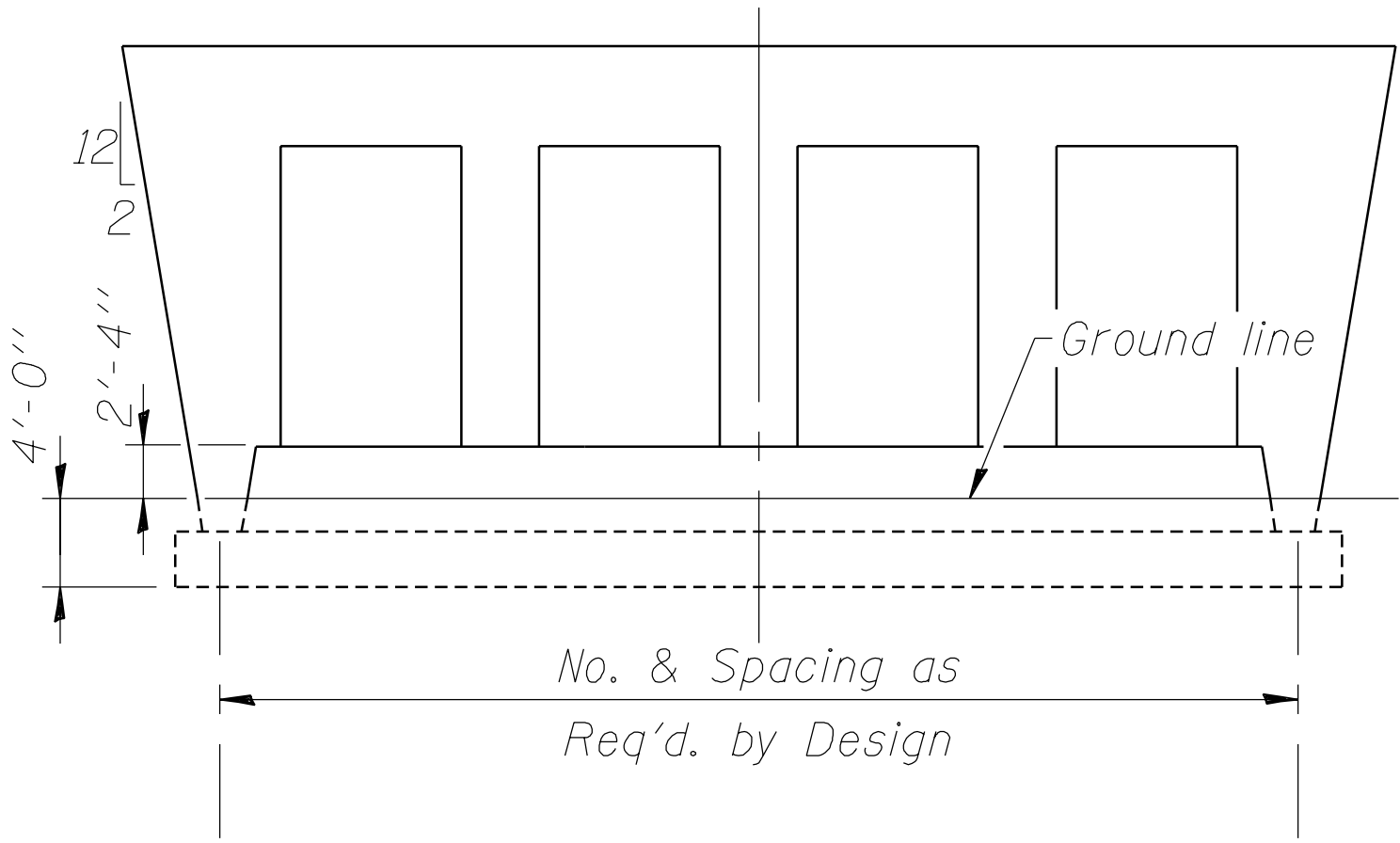
Name: PS13

4COL TRAP PIER SPRD FTG



PIER SKETCH

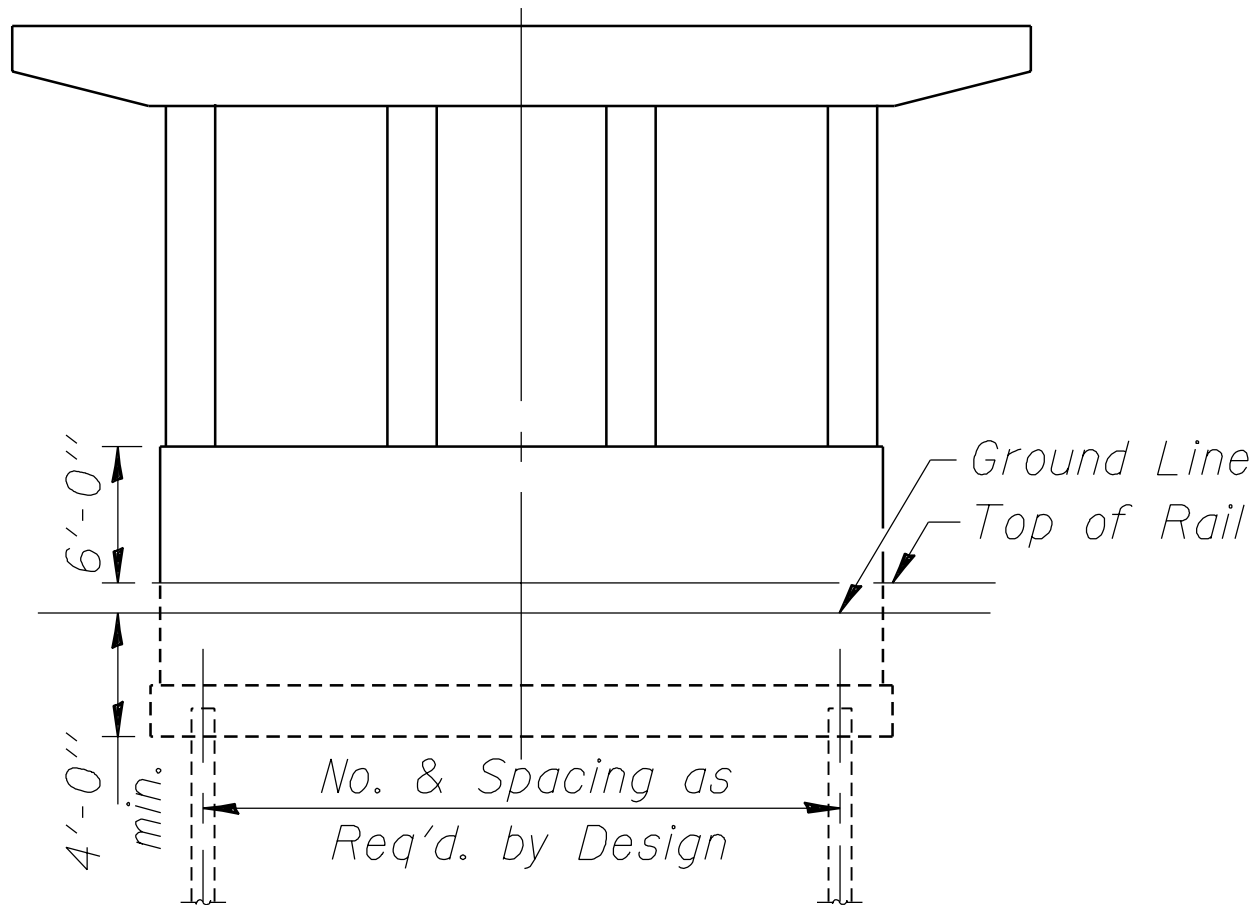
Name: PS/4
5COL TRAP PIER SPRD FTG



PIER SKETCH

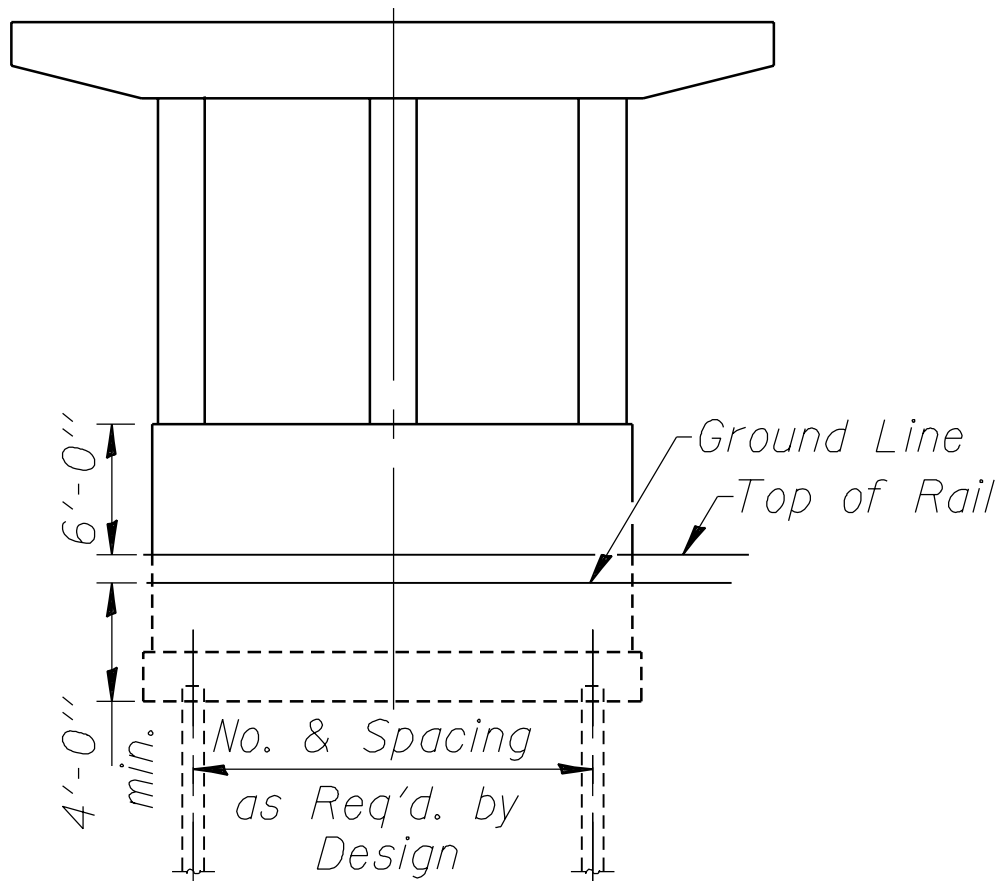
Name: PS15

3BAY RR PIER ROUND COL



PIER SKETCH

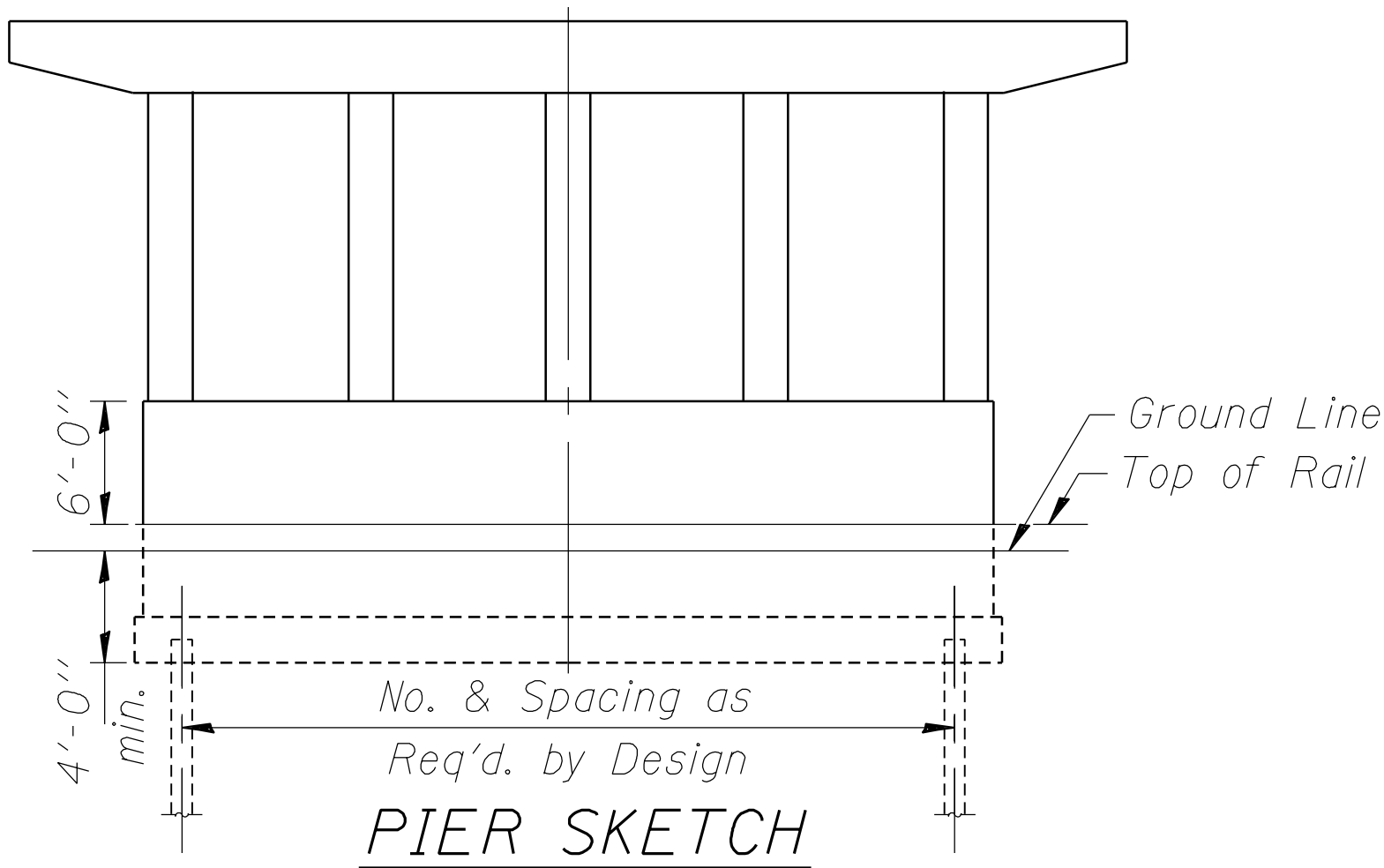
Name: PS16
2BAY RR PIER ROUND COL MOD



PIER SKETCH

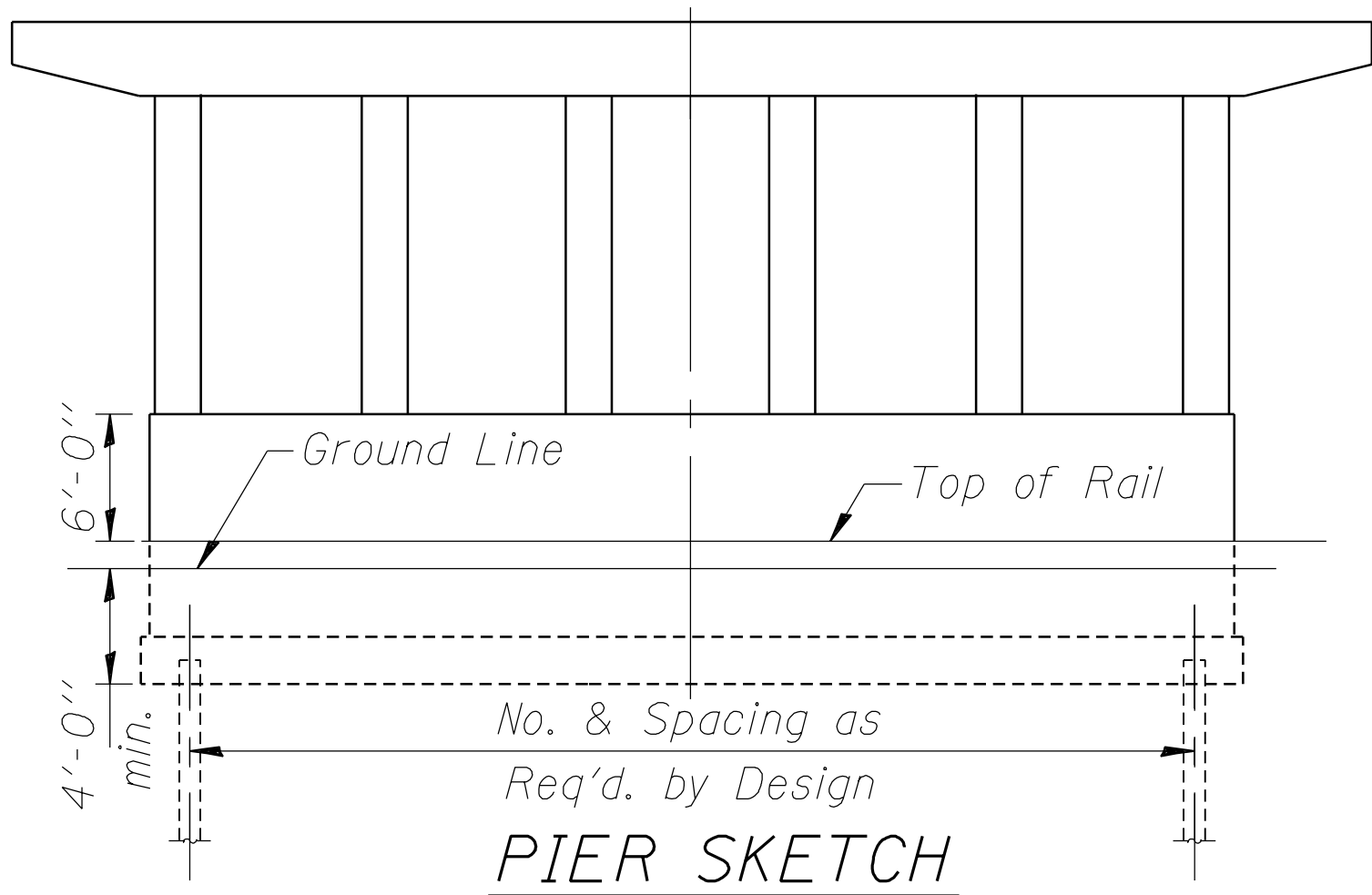
Name: PS17

4BAY RR PIER ROUND COL MOD



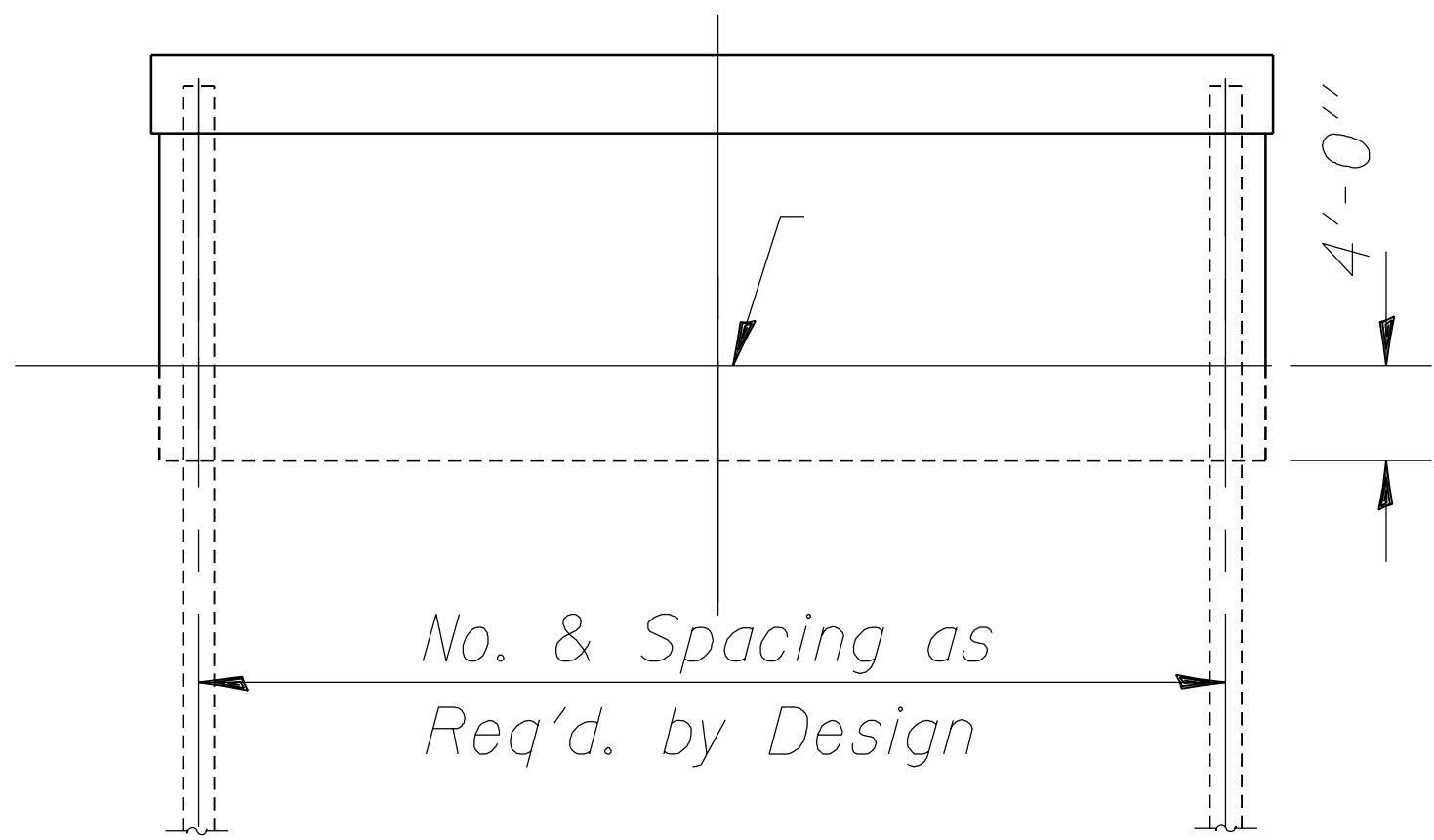
Name: PS18

5BAY RR PIER ROUND COL



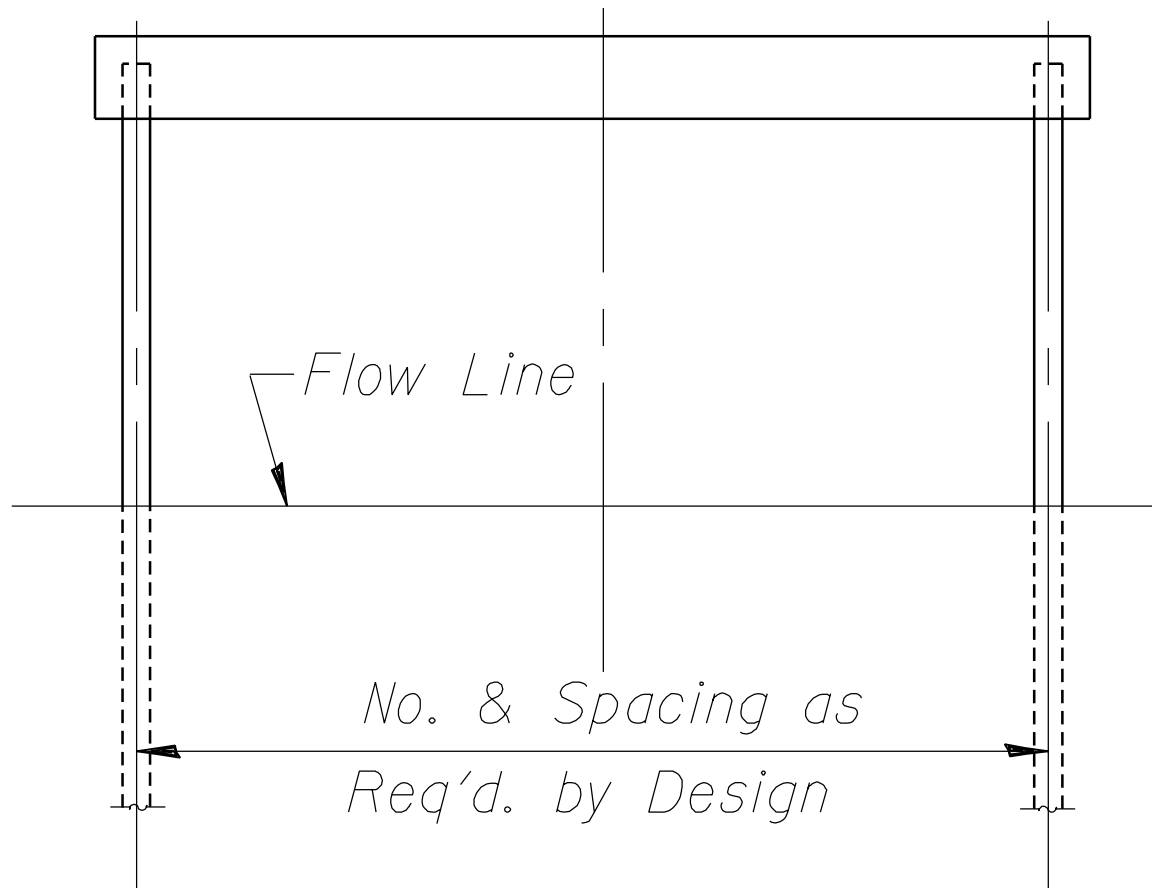
Name: PS19

ENC PILE BENT PIER



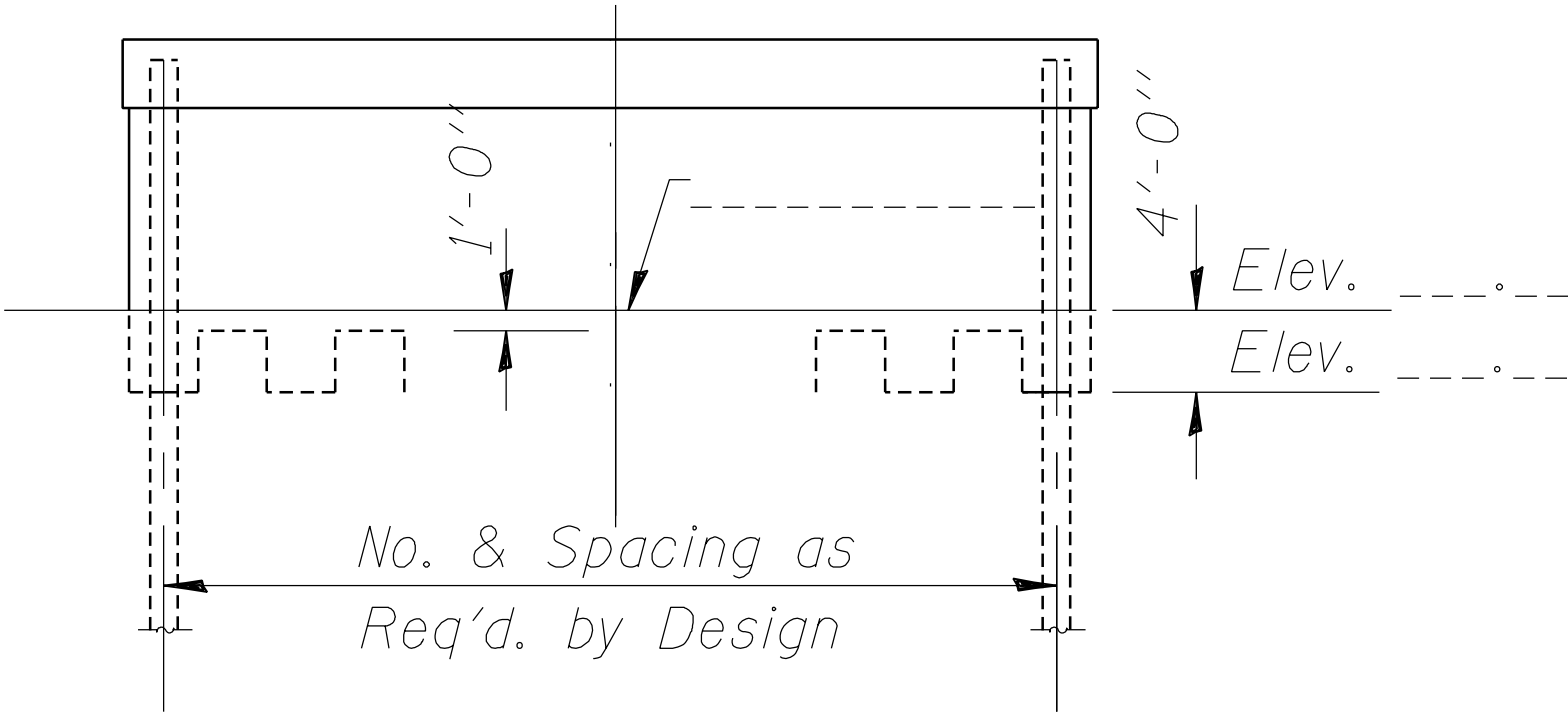
PIER SKETCH

Name: PS20
PILE BENT PIER



PIER SKETCH

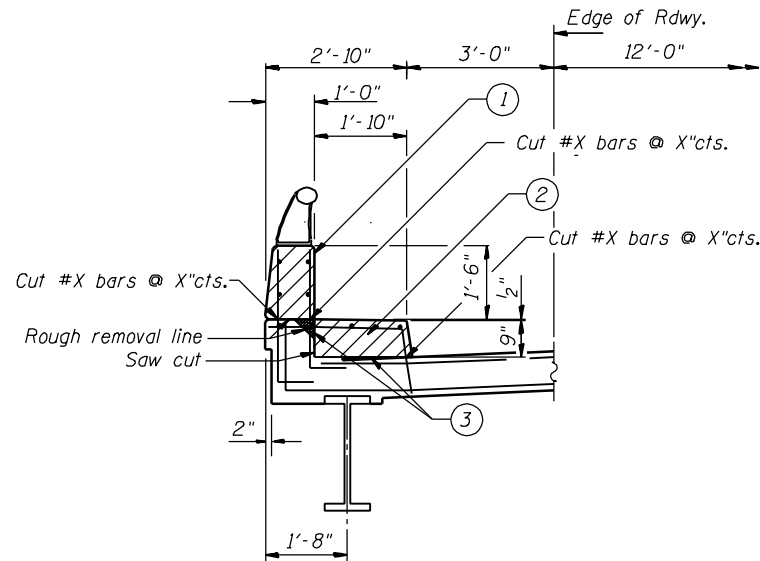
Name: PS2/
INDIVIDUALLY ENC PILE BENT



PIER SKETCH

Name: RETRO

PARAPET WALK REM DETAILS



SAFETY WALK & PARAPET REMOVAL DETAILS

(Existing Reinforcement shown in
accordance with original plans)

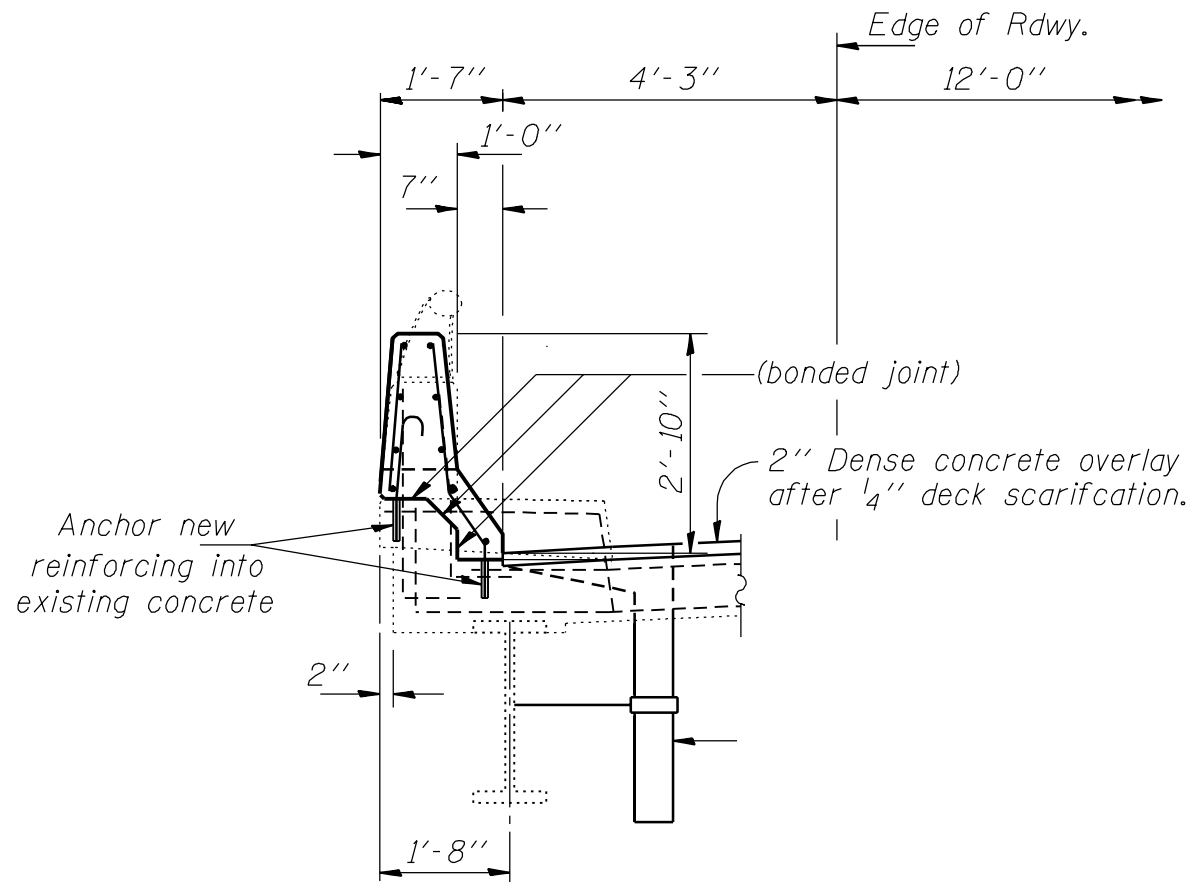
Parapet & Safety Walk Removal Sequence

- ① Remove parapet above safety walk.
- ② Saw cut safety walk as shown & remove to rough removal line.
- ③ Complete removal to finish line with light hammer (45# or less) or waterjet only.

Notes to Designer

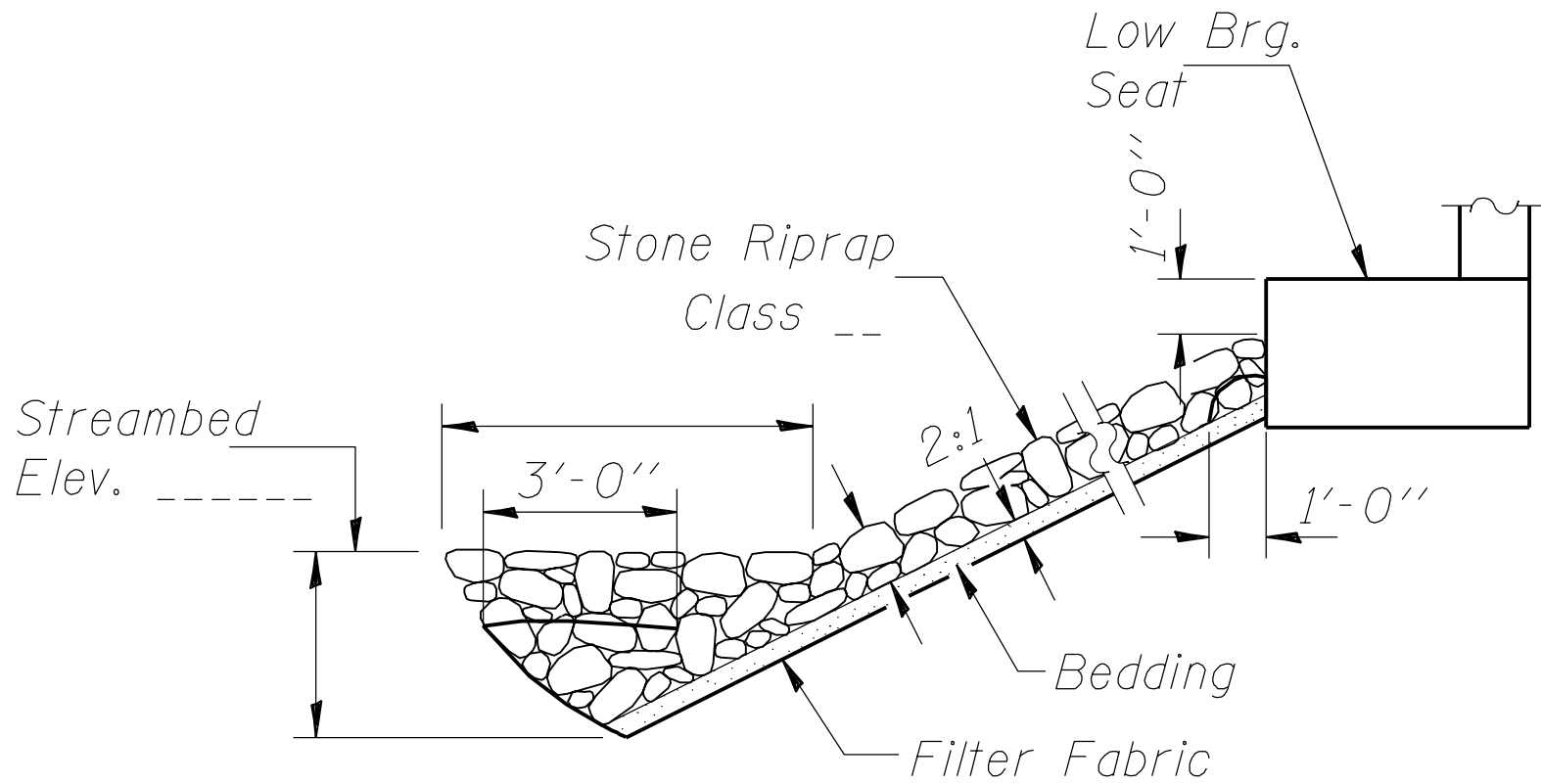
1. Bill retrofit as "Concrete Parapet & Safety Walk Removal and Retrofit." in Linear Feet.
2. Concrete removal for drain replacement should be billed as Concrete Removal and Class X Concrete.

Name: RETROI
PARAPET RETROFIT DETS



PARAPET RETROFIT DETAIL

Name: RRAP
RIPRAP ANCHOR DETAIL



STONE RIPRAP ANCHOR DETAIL

Name: STR

DESIGN STRESSES

DESIGN STRESSES

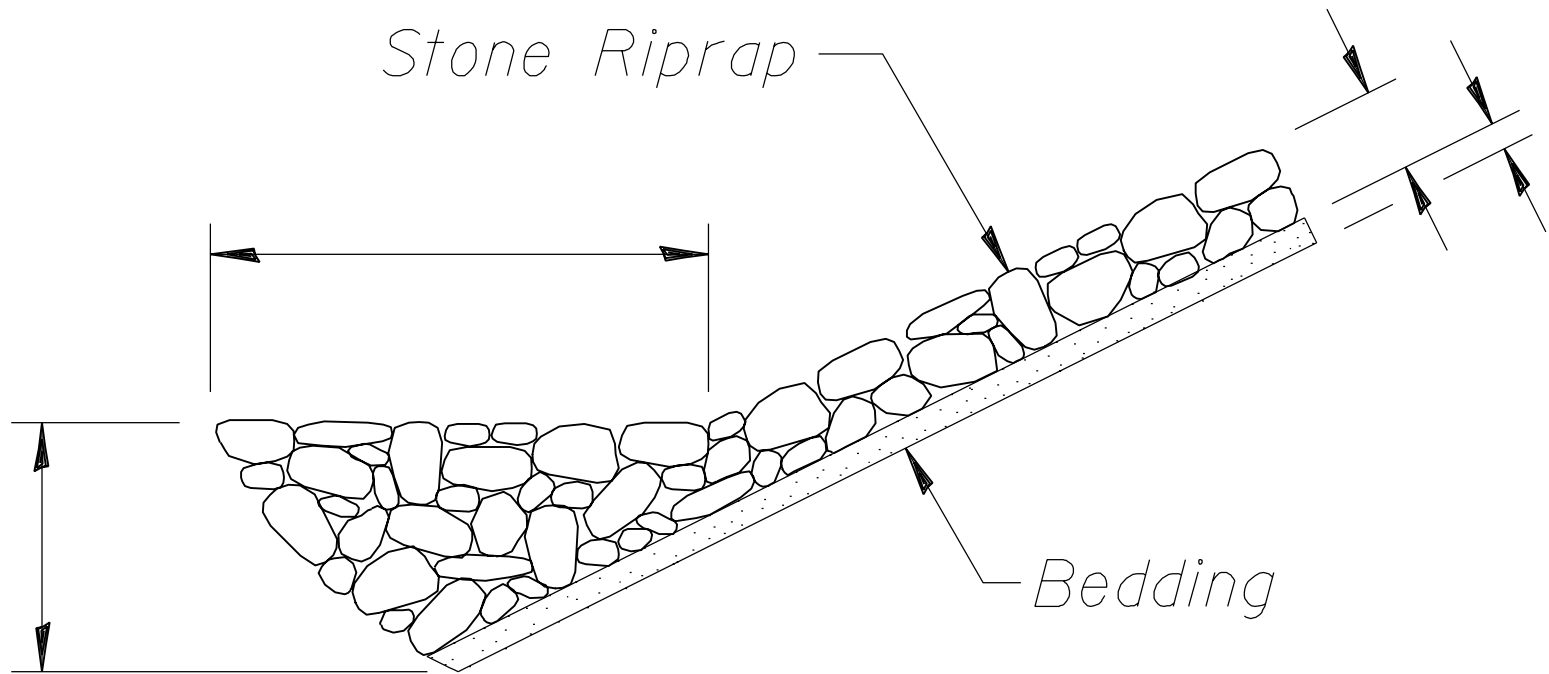
FIELD UNITS

$$f'_c = 3,500 \text{ psi}$$

$$f_y = 60,000 \text{ psi (reinf.)}$$

$$f_y = 50,000 \text{ psi (M270 Grade 50)}$$

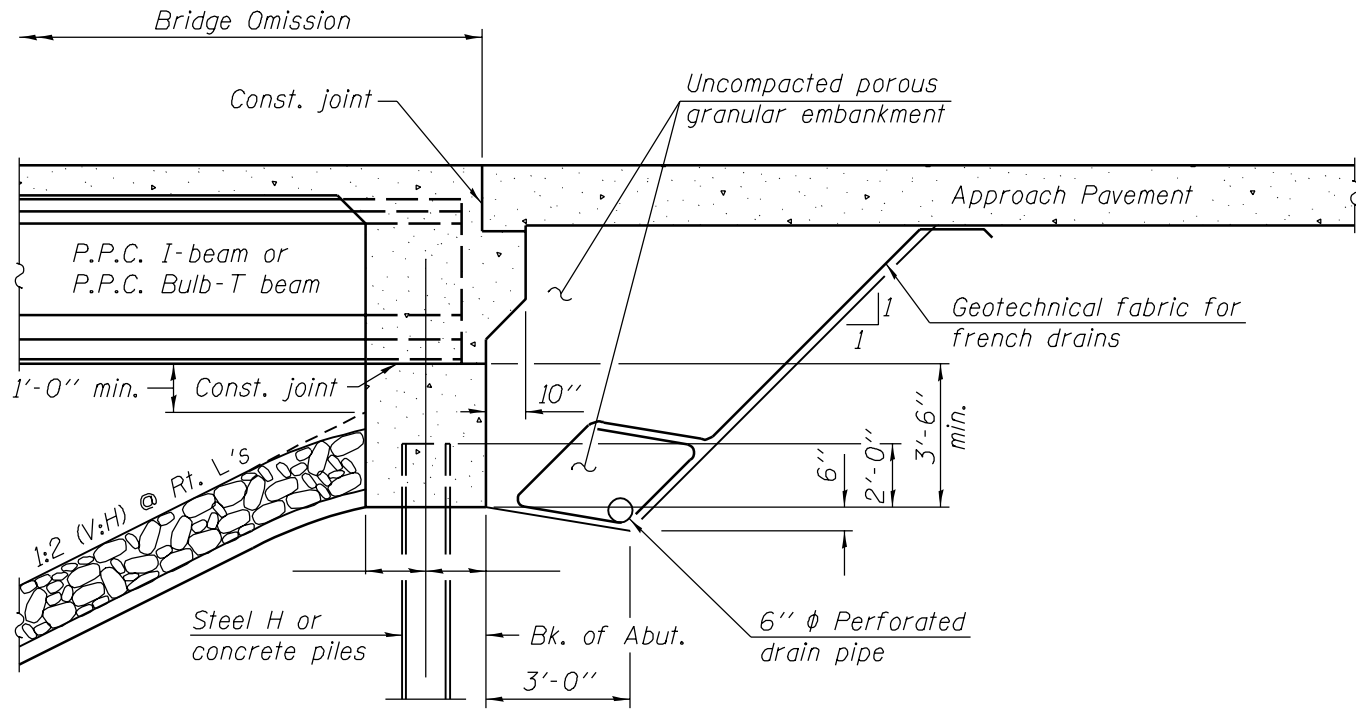
Name: TSL001
RIPRAP DETAIL



STONE RIPRAP ANCHOR DETAIL

Name: TSL002

INT ABUT SECT PPC BEAMS

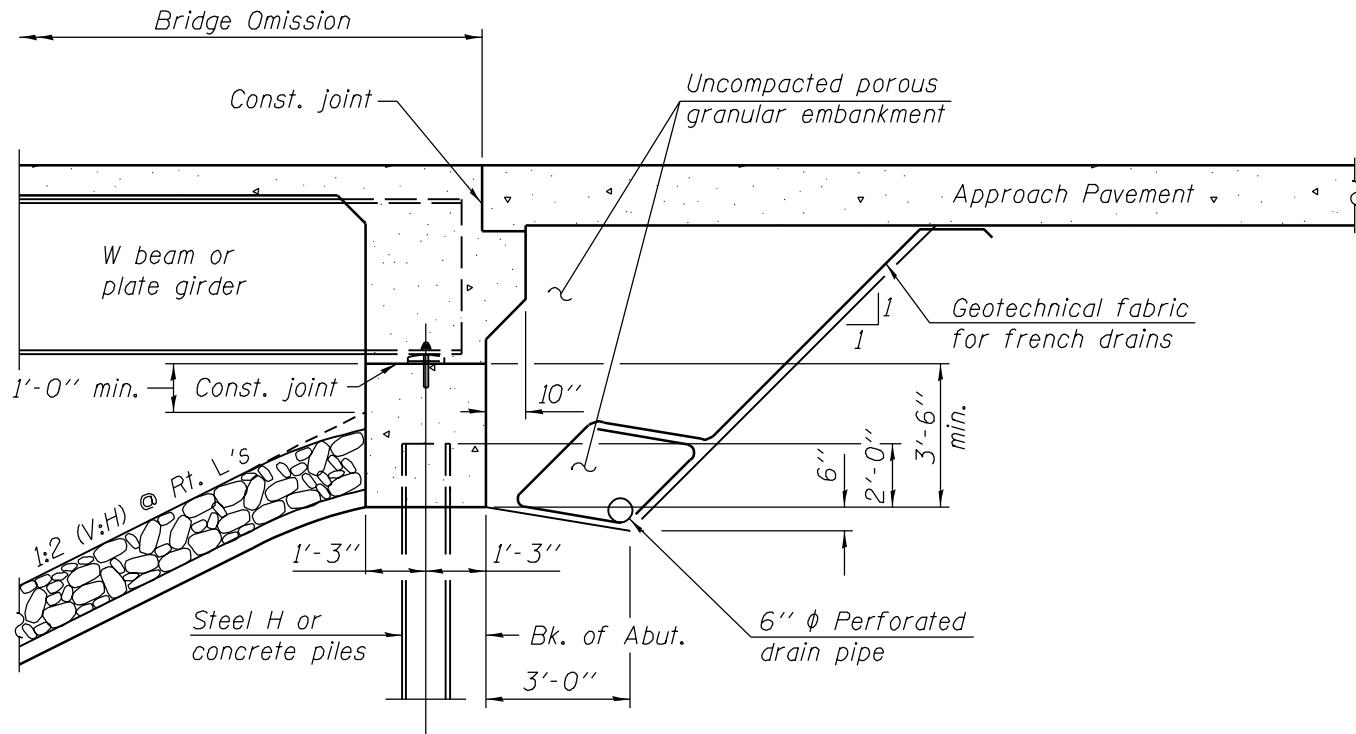


SECTION THRU INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. L's)

Name: TSL003

INT ABUT SECT STEEL BEAM



SECTION THRU INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. L's)

Name: TY6

TRAFFIC BARR TERM TYPE 6

